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**From:** Kuziomko, Joseph [kuziomko.joseph@epa.gov]  
**Sent:** 7/24/2017 5:22:59 PM  
**To:** don.hensch@deq.ok.gov  
**CC:** Shuster, Kenneth [Shuster.Kenneth@epa.gov]; Pena-Molina, Ana [pena-molina.ana@epa.gov]  
**Subject:** RE: ORCR Project regarding OB/OD Sites in OK

Hello Don,

Congrats on the retirement, Any information can be sent to me until August 10<sup>th</sup> we would just really like to have it by July 31<sup>st</sup> if possible to present some findings before I leave as Intern this summer. I cc Ken Shuster who can accept data at a later date.

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**From:** Donald Hensch [mailto:don.hensch@deq.ok.gov]  
**Sent:** Monday, July 24, 2017 1:10 PM  
**To:** Kuziomko, Joseph <kuziomko.joseph@epa.gov>  
**Cc:** Mike Stickney <Mike.Stickney@deq.ok.gov>; Hillary Young <Hillary.Young@deq.ok.gov>  
**Subject:** FW: ORCR Project regarding OB/OD Sites in OK

This was just forwarded to me by Jon Fields, one of my staff members. The address you have used for me was cancelled a few months ago during a server move, and Jon was out of town all of last week, so he (and I) only saw it today. My only valid DEQ address is the one listed on this email.

I have asked several people to look into your request, but I have doubts that we will be able to provide a meaningful response by the July 31 deadline you state. Can you accept data at a later date, and if so, when? Please let us know.

Also, for your information,

I will be retiring on July 31<sup>st</sup> so will no longer be available to you. In the future, please contact my direct supervisor, Mike Stickney, at (405) 702-5153 or [mike.stickney@deq.ok.gov](mailto:mike.stickney@deq.ok.gov), or the Division's Chief Engineer, Hillary Young, at (405) 702-5188 or [Hillary.young@deq.ok.gov](mailto:Hillary.young@deq.ok.gov).

Thanks,

*Donald A. Hensch, P.E.*

Engineering Manager  
RCRA Permits and Corrective Actions Section  
Land Protection Division  
OK Department of Environmental Quality  
(405) 702-5152

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**From:** Jon Fields  
**Sent:** Monday, July 24, 2017 11:03 AM  
**To:** Donald Hensch  
**Subject:** FW: ORCR Project regarding OB/OD Sites in OK

Don,

Have you responded to anyone on this matter?

Thank you,

*Jon J. Fields, Jr.*

Environmental Programs Specialist II  
Groundwater Assessment Unit  
Hazardous Waste Permitting and Corrective Action Section  
Land Protection Division  
Oklahoma Department of Environmental Quality  
(405) 702-5145

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**From:** Kuziomko, Joseph [<mailto:kuziomko.joseph@epa.gov>]

**Sent:** Monday, July 17, 2017 11:06 AM

**To:** Al Coulter; [donald.hensch@deg.ok.gov](mailto:donald.hensch@deg.ok.gov); Jon Fields

**Cc:** Shuster, Kenneth; Pena-Molina, Ana; Kohler, Amanda

**Subject:** ORCR Project regarding OB/OD Sites in OK

I am writing to seek information on the closure status of the Open Burn/Open Detonation (OB/OD) units listed below to assist ORCR in a new project to assess closure of OB/OD units. With this information, EPA will be able to identify, evaluate, and document procedures, techniques, and criteria to assess, clean up, and close OB/OD units/sites in a standardized manner.

EPA has been documenting soil and ground water contamination from OB/OD units and the costs to clean them up. Given the inordinate extent of contamination and costs of clean-up that have been reported, we are now seeking to learn more about the monitoring, clean-up procedures, successes, and costs of these efforts. There is currently no national guidance on procedures to assess, monitor, and clean up OB/OD sites, nor metrics to achieve clean closure of OB/OD units. We are requesting information on the clean closure (CC) of OB/OD sites to assist us.

Please first verify the following codes for your facilities in Oklahoma.

Oklahoma							
FACILITY_ID	FACILITY_NAME	UNIT_NAME	UNITs	UNIT_DETAIL_SEQ	Legal Status	Operating Status	EFFECTIVE_DATE
OKD007233836	PHILLIPS 66 PONCA CITY REFINERY	THERMAL TREATMENT	23	3	IT	CC	19951227
OKD980623045	HALLIBURTON SVCS OSAGE RD FAC	OPENBURNING	1	1	IT	CC	19880429

**Questions:**

We have a number of questions we hope you can answer regarding your clean closed/closing sites. The operating status of the facilities will determine which sets of questions are to be answered. We understand that some of this data may be difficult to find but we would really appreciate if you could dig it up for us as it will help us move forward with this project and eventually help EPA update OB/OD closing procedures.

**Clean Closed (CC) Facilities' questions:**

1. Did these sites complete clean closure or are they still in the process of seeking to clean close?
2. Did the state officially certify/approve the unit(s) Clean Closed (CC)?

3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation?
4. Was it OB or OD or both?
5. What sampling procedures were used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)?
6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)?
7. What clean-up procedures and techniques were used to clean up the contaminants (e.g., excavation, soil sifting)?
8. What data was recorded and metrics used to evaluate the extent and levels of contamination?
9. What criteria was used to certify clean closure (e.g., EPA action levels)?
10. What was the total cost to achieve Clean Closed (CC) status?

We plan to have a contractor gather this information on a select number of sites from the states. The purpose of this current effort is to gather information on the status of cleanup at these sites to help us identify which sites have the best information for our contractor to follow up with. Thus, for this effort, we seek answers to questions 1-4 and the last question in each set, and for the remaining questions we seek whether or not good information exists to answer these questions. We hope to receive this information by **July 31<sup>st</sup>**. Thank you for taking time to assist us with this project. If you have any questions, please feel free to reach out to us. Any information that you may be able to provide will be helpful in our project.

Sincerely,  
Joseph Kuziomko  
703-347-8168

U.S. EPA Headquarters  
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2777S. Crystal Drive  
Arlington, VA 22202-3553